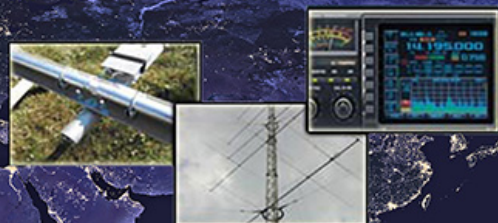




Repeater: NØDX 145.190 MHz (Input 144.590 / Tone 192.8 Hz)



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The Eastern Iowa DX Bulletin

Number 273, May 9, 2025

Craig Fastenow, KØCF, Editor

This bulletin is a compilation of **currently active** DX operations (or those that will become active within the current week) from recent issues of the three DX bulletins listed below and other sources. Credit for the source is given at the end of each article.

Articles are ordered by the entity's callsign prefix from the *ARRL DXCC Entities List*. Callsigns used are in **bold** with dates of operation highlighted in **red**. Clickable links are provided for QSL and other information wherever possible. Note that articles may be edited for grammar, language, style and accuracy and will remain in *The Bulletin* while active; articles that are announcements of ongoing operations, or that have no specified end date, will be removed after three weeks.

Also included is a [Propagation](#) section, updated daily; and a [Contest Calendar](#) of upcoming popular contests.

DX News items are courtesy of:

The ARRL DX Bulletin

The bulletin is available at <http://www.arrl.org>

425 DX News, A.R.I. DX Bulletin (425DXN)

Edited by Mauro Pregliasco, I1JQJ & Valeria Pregliasco, IK1ADH

425 DX News Home Page: <https://www.425dxn.org/>

425 DX News Google Group: <https://groups.google.com/g/425eng>

DX Newsletter (DXNL)

Edited by Andreas Salder, DK5ON

A weekly service of DARC Committee "DX", <http://www.darcdxhf.de>

Propagation data is from:

National Oceanic and Atmospheric Administration's

[Space Weather Prediction Center](#)

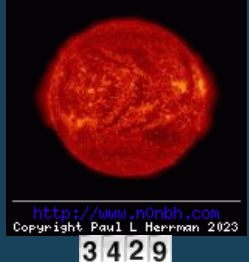
Dr. Tony Phillips' SpaceWeather.com, used by permission

Contest data courtesy of the [WA7BNM Contest Calendar](#)



Solar-Terrestrial Data

10 May 2025 1719 GMT
 SFI: 136 SN: 70
 A-Index: 15
 K-Index: 2
 X-Ray: C1.4
 304A: 128.4 @ SEM
 Ptn Flx: 12
 Elc Flx: 1430
 Aurora: 2/n=1.99
 Mag (Bz): 0.8
 Solar Wind: 458.6
 Geomag Field QUIET
 Sig Noise Lvl S1-S2
 Current Solar Image



<http://www.nonbh.com>
 Copyright Paul L. Herrman 2023

3 4 2 9

DX News

3A, MONACO. Special event call sign **3A100A** will be QRV from **April 15th to June 30th** to commemorate the centenary of the IARU. Activity will be on 80 to 10 meters using CW, SSB, and various digital modes. QSL via LoTW.

-[ARRL DX Bulletin # 15 April 10, 2025] (0411-0627)

4X, ISRAEL. The following special event stations currently celebrate the State of Israel's anniversary **until May 10th**: **4X77AZ**, **4X77BQ**, **4X77FB**, **4X77WN**, **4Z77LA**, and **4Z77MU**. For QSL information see qrz.com.

-[DXNL # 2457 May 7, 2025] (0509-0516)

5B, CYPRUS. Freddy, F5IRO is QRV as **5B/F5IRO** **until May 16th**. Activity is during his afternoons on the HF bands and 6 meters, using QRP power and CW, FT8, and FT4. QSL to [F5IRO](#).

-[ARRL DX Bulletin # 19 May 8, 2025] (0509-0516)

7P, LESOTHO. Mark, KW4XJ and Arina, KO4PZT are QRV as **7P8AB** and **7P8NB**, respectively, **until mid-2025**. QSL via [KW4XJ](#).

-[ARRL DX Bulletin # 18 May 1, 2025] (0502-0613)

BY, CHINA. Members of the Chinese Radio Amateurs Club are QRV as **B1ØØIARU** **until June 17th** to commemorate the centenary of the IARU. QSL via LoTW.

-[ARRL DX Bulletin # 17 April 24, 2025] (0425-0516)

C3, ANDORRA. Members of the Unio de Radioaficionats Andorrans (C37URA) will be active as **C37JPE** **throughout May**. The special callsign's suffix stands for Jocs dels Petits Estats d'Eu-ropa, the Games of the Small States of Europe whose 20th edition will be held in Andorra la Vella on May 26th-31st. QSL via the bureau or direct to [C37JPE](#).

-[425DXN # 1774 May 3, 2025] (0502-0530)

CE, CHILE. Members of the Radio Club de Chile are QRV with special event call sign **XR1ØØIARU** **until May 20th** to commemorate the 100th anniversary of the IARU. Activity is on the HF bands. QSL via [CE3AA](#).

-[ARRL DX Bulletin # 16 April 17, 2025] (0418-0523)

D4, CAPE VERDE. Harold, DF2WO and Warren, KN6ZZI will be QRV as **D44TWO** and **D44ZZI**, respectively, from Santiago Island (AF-005) from **May 5th to 26th**. Activity will be on the HF bands with D44TWO using mainly CW and FT8, and D44ZZI mainly on SSB and FT8. This includes being on Satellite QO-100. QSL both calls via [MØOXO's OQRS](#).

-[ARRL DX Bulletin # 18 May 1, 2025] (0502-0530)

DL, GERMANY. Celebrating the Deutsche Amateur-Radio-Club's 75th anniversary, four special callsigns will be activated by DARC Team SES from **May 1st to October 31st**: **DC75DARC**, **DD75DARC**, **DK75DARC**, and **DR75DARC**. See <https://www.darc.de/der-club/referate/dx/sonderdiplome/> for the "75 Jahre DARC" certificate. QSL via the bureau, or direct to [DL2VFR](#).

-[425DXN # 1774 May 3, 2025] (0502-0530)

DL, GERMANY. Special callsign **DMØLIMES** will be active from **May 1st to July 1st** for this year's German World Heritage Day (June 1st). Also active will be **DM3LIMES** on **May 31st - June 1st**. The Limes was the border line of the Roman Empire at its greatest extent. In 2005, the remnants of the Upper German-Raetian Limes were inscribed on the UNESCO World Heritage list as "Frontiers of the Roman Empire". QSL both via the bureau.

-[425DXN # 1773 April 26, 2025] (0425-0627)

DXCC TOP TWENTY. Here are the top 20 entities on ClubLog's "DXCC Most Wanted" list as of May 8, 2025:

1. P5	DPRK (North Korea)	11. ZS8	Prince Edward & Marion Islands
2. BS7H	Scarborough Reef	12. KH4	Midway Island
3. CEØX	San Felix Islands	13. VKØM	Macquarie Island
4. BV9P	Pratas Island	14. PYØS	Saint Peter And Paul Rocks
5. KH7K	Kure Island	15. KP5	Desecheo Island
6. KH3	Johnston Island	16. VPØS	South Sandwich Islands
7. 3Y/P	Peter 1 Island	17. ZL9	New Zealand Subantarctic Islands
8. FT5/X	Kerguelen Island	18. FK/C	Chesterfield Islands
9. YVØ	Aves Island	19. VKØH	Heard Island
10. 3Y/B	Bouvet Island	20. FT/T	Tromelin Island

For the complete list, see <https://clublog.org/mostwanted.php>

-[KØCF May 9, 2025] (0509-0530)

EA, SPAIN. Once again the Federacion Digital EA will operate special callsigns **AO1EU**, **AO2EU**, **AO3EU**, **AO4EU**, **AO5EU**, **AO6EU**, **AO7EU**, **AO8EU** and **AO9EU** on **May 2nd-11th** to celebrate Europe Day, the anniversary of the Schuman Declaration (May 9, 1950) that paved the way to the European Union. QSL direct to [EA3RKF](#): Federacion Digital EA, Apartado Postal 3050, 08200 Sabadell (Barcelona), Spain.

-[425DXN # 1773 April 26, 2025] (0502-0516)

EA, SPAIN. Celebrating IARU's centenary, Spanish amateurs are allowed to replace their normal prefix from **May 1st to 15th** as follows: **EA** stations can use **AO#100**, **EB** stations can use **AN#100**, and **EC** stations can use **AM#100**, where "#" is the digit of their call area. For example, EA6VQ will use AO6100VQ, EB3WH will use AN3100WH, and EC7R will use AM7100R.
-[425DXN # 1773 April 26, 2025] (0425-0516)

EI, IRELAND. Special callsign **GB0AEL** commemorates Amelia Earhart's transatlantic crossing of 1932, the first non-stop by a female pilot, **until the end of May**. QSL via [MI0HOZ](#).
-[DXNL # 2457 May 7, 2025] (0509-0530)

ER, MOLDOVA. Special event call sign **ER80V** is QRV **until May 10th** to commemorate the 80th anniversary of the end of World War II. QSL via LoTW.
-[ARRL DX Bulletin # 19 May 8, 2025] (0509-0516)

F, FRANCE. Celebrating the 80th anniversary of the end of World War II in Europe, special callsign **TM45END** will be active on **May 7th-31st**. QSL via [F5JYD](#).
-[425DXN # 1773 April 26, 2025] (0502-0530)

F, FRANCE. Special event callsign **TM10REF**, one of many celebrating the REF centenary, will be active from **April 25th to 27th**, **May 8th to 11th**, and **May 29th until June 1st**.
-[DXNL # 2455 April 23, 2025] (0425-0606)

F, FRANCE. Special callsigns **TM100I**, **TM100A**, **TM100R** and **TM100U** by the Radio Club Pierre Coulon (F5KMB) celebrate the centenary of the International Amateur Radio Union from **April 12th to July 13th**. QSL via eQSL only; paper cards will not be provided.
-[425DXN # 1771 April 12, 2025] (0411-0711)

G, ENGLAND. After a few years' hiatus, the Cray Valley Radio Society will be operating again as **GB6MW** from Meopham Windmill **on May 10th**. Activity will be on 10-40m SSB and CW, from 0800-1600 UTC. The popular Mills on the Air event is taking place on 10-11 May, see <https://nharg.org.uk/content/about-mills-air-mota> for information. QSL via [ClubLog's OQRS](#) and LoTW.
-[425DXN # 1775 May 10, 2025] (0509-0516)

FH, MAYOTTE. Ronan, F4LJA is QRV as **FH/F4LJA** **until May 1st**. Activity is in his spare time on 80, 60, 40, and 20 meters using mostly FT8, and possibly SSTV, with QRP power. QSL via operator's instructions.
-[ARRL DX Bulletin # 17 April 24, 2025] (0425-0516)

FO, FRENCH POLYNESIA. Didier, F6BCW is QRV as **TX5U** from Tikehau Island (OC-066) **until June 8th**. Activity is on 40 to 6 meters using CW and SSB. QSL via LoTW.
-[ARRL DX Bulletin # 19 May 8, 2025] (0509-0606)

FR, REUNION I. Phil, FR8UA and Ann, FR8TZ are QRV as **TO974REF** **until May 11th** to celebrate the centenary of the French Society REF. Activity is mostly on 40, 20, 15, and 10 meters using CW, SSB, and various digital modes. Apply for e-QSL at https://tm100ref.r-e-f.org/award_fr.html.
-[ARRL DX Bulletin # 19 May 8, 2025] (0509-0516)

GD, ISLE OF MAN. David, M0YBC is QRV as **MD0YBC** until April 28th. Activity is on the HF bands from the eight POTA sites on the island. QSL to [M0YBC](#).
-[ARRL DX Bulletin # 17 April 24, 2025] (0425-0516)

GI, NORTHERN IRELAND. Once again, the North West Group ARC (MN0NWG) is running special event station **GB0AEL** from **May 5th to 31st** to commemorate the anniversary of Amelia Earhart's transatlantic flight. On May 20-21, 1932, Earhart became the first woman to fly nonstop and alone across the Atlantic, leaving Harbor Grace on Newfoundland (Canada), and landing 15 hours later near Londonderry (Northern Ireland). QSL via [MI0HOZ](#).
-[425DXN # 1773 April 26, 2025] (0502-0530)

GU, GUERNSEY. The Guernsey Amateur Radio Society will operate special event station **GU80LIB** on **May 9th to 11th** to celebrate the 80th anniversary of the liberation of the Channel Islands at the end

of World War II. QSL via LoTW, [ClubLog's OQRS](#), or direct to [GU8ØLIB](#).
-[425DXN # 1769 March 29, 2025] (0509-0516)

GU, GUERNSEY. Team **GU6EFW** will be active from Guernsey (EU-114) on **May 7th-14th**. Seven operators (ON1BN, ON4AML, ON6EF, ON6VJ, ON7TA, ON7VM and ON9DJ) will be QRV on 160-6 meters SSB, CW and digital modes. They will also give QO-100 and 2.3 GHz EME a try. See <https://hamradioexpedition.com/> for more information. QSL via [ON6EF](#).
-[425DXN # 1773 April 26, 2025] (0502-0516)

HBØ, LIECHTENSTEIN. Kasimir, DL2SBY will be active as **HBØ/DL2SBY** from Liechtenstein on **May 11th to 18th**. He will be QRV on the HF bands with verticals and an inverted vee, and on 6 meters with 5-element Yagi. QSL via LoTW, or direct to [DL2SBY](#).
-[425DXN # 1774 May 3, 2025] (0509-0523)

HP, PANAMA. Jose, HP2AT will celebrate his 35th anniversary in amateur radio with special call sign **H82AT** until **December 31st**. All QSOs will be uploaded to QRZ, ClubLog, eQSL, and LoTW. Paper cards will not be available.
-[425DXN # 1775 May 10, 2025] (0509-0530)

HP, PANAMA. Special event call sign **3E7D** is QRV until **June 1st**. QSL via [HP1AVS](#).
-[ARRL DX Bulletin # 17 April 24, 2025] (0425-0606)

HR, HONDURAS. Renato, PY8WW will be active as **HR4/PY8WW** from Isla El Tigre (NA-060), Honduras on **May 13th to 17th**. He will be QRV on 80-10 meters with two stations at the same time - one station alternating between SSB and CW, and the other one fully dedicated to FT8 (F/H) and FT4. QSL via [ClubLog's OQRS](#).
-[425DXN # 1773 April 26, 2025] (0509-0516)

IARU 100. More special event stations/callsigns from IARU societies celebrating the 100th anniversary of the International Amateur Radio Union include:

- * **A41ØØIARU** by the Royal Omani Amateur Radio Society (A47RS). QRV on **April 15th-30th**.
 - * **CN1ØØIARU** by the Association Royale des Radioamateurs du Maroc (ARRAM). QRV on **April 18th-30th**. QSL via the bureau.
 - * **EIØIARU** by the Irish Radio Transmitters Society (IRTS). QRV from **April 15th to June 15th**.
 - * **VR1ØØIARU** by the Hong Kong Amateur Radio Transmitting Society (HARTS). QRV from **May to December**. QSL via the bureau and LoTW.
- [425DXN # 1773 April 26, 2025] (0425-0516)

IARU 100. More special event stations/callsigns from IARU societies celebrating the 100th anniversary of the International Amateur Radio Union include:

- * **4X1ØØIARU** and **4Z1ØØIARU** by the Israel Association of Radio Communication (IARC). QRV on **April 14th-25th**. QSL via [4Z5MU](#) and LoTW.
 - * **9H6IARU** by the Malta Amateur Radio League (MARL). QRV throughout **April and May**. QSL via eQSL and LoTW.
 - * **B1ØØIARU** by the Chinese Radio Amateurs Club (CRAC). QRV from **April 18th to June 17th**. Certificates on <https://hamaward.cloud>. QSL via [BG9GXM](#) and LoTW.
 - * **DX1ØØIARU** from the Philippine Amateur Radio Association (PARA).
 - * **EY1ØØIARU** by the Tajik Amateur Radio League (TARL). QRV on **April 12th-30th**. QSL via [WØVTT](#) and LoTW.
 - * **R1ØØIARU** by Soyuz Radiolyubitelei Rossii (SRR). QRV on **April 18th-27th**.
 - * **XR1ØØIARU** by the Radio Club de Chile. QRV from **April 15th to May 20th**.
- Digital QSLs will be available: <https://www.ce3aa.cl/xr100iaru/>.

-[425DXN # 1772 April 19, 2025] (0418-0530)

I, ITALY. Special call sign **IØ3IARU** by Alex, IV3KKW marks the 100th anniversary of the IARU and the 75th anniversary of IARU Region 1 until **May 18th**. A member of IARU Region 1 Executive Committee, Alex is also the VHF/UHF/Microwave Contest Coordinator. QSL via [IV3KKW](#).
-[425DXN # 1774 May 3, 2025] (0502-0523)

ISØ, SARDINIA. The ARI section Porto Torres (IQØAK) celebrates its 50th anniversary with the special callsign **IRØAPTT**.

-[DXNL # 2457 May 7, 2025] (0509-0530)

JA, JAPAN. Special event station **8K3EXPO** is QRV **until October 13th** for the 2025 Expo in Osaka. QSL via [JA3UJR](#), e-QSL, LoTW.

-[ARRL DX Bulletin # 19 May 8, 2025] (0509-0530)

JA, JAPAN. Take, JI3DST will be active again as **JS6RRR** from Miyako Island (AS-079) from **April 23rd to June 18th**. Other callsigns to be used are **JI3DST/6**, **JJ5RBH/6** and **JA3YEC/6**, as well as **JI3DST/p**, **JJ5RBH/p** and **JA3YEC/p** on FT8. QSOs will be made available for ClubLog and LoTW matching on the IOTA website. QSL via [ClubLog's QQRS](#).

-[425DXN # 1774 May 3, 2025] (0502-0620)

JD1/M, MINAMI TORISHIMA. Take, JG8NQJ is QRV as **JG8NQJ/JD1** **until June 20th**. Activity is in his spare time on the HF bands using CW and FT8. QSL via [JA8CJY](#) (direct), JG8NQJ (bureau) and LoTW.

-[ARRL DX Bulletin # 16 April 17, 2025] (0418-0620)

JX, JAN MAYEN. Arnold, DK1VK, activates Jan Mayen (EU-022) as **JX/DK1VK** **beginning May 5**.

-[DXNL # 2453 April 9, 2025] (0502-0516)

OE, AUSTRIA. Special callsign **4UØIARU** by the VIC Amateur Radio Contest DX Club (4U1A, <https://4u1a.club/>) celebrates the centenary of the IARU. This activity counts for Austria for DXCC, and for the Vienna International Centre for the CQ DX Marathon. QSOs are uploaded to ClubLog.

-[425DXN # 1774 May 3, 2025] (0502-0523)

OE, AUSTRIA. Special event call sign **OE1ØØOEVS** is QRV **until December 31st** to celebrate the 100th anniversary of the Austrian Amateur Radio Society. QSL via the bureau.

-[ARRL DX Bulletin # 18 May 1, 2025] (0502-0523)

OE, AUSTRIA. Special callsign **OE175ARWT** will be available for prefix hunters **until the end of May**.

-[DXNL # 2455 April 23, 2025] (0425-0530)

ON, BELGIUM. Special callsign **OT25EPIC** by the Antwerp Port Contest Club (ON8APC) promotes this year's edition of the Antwerp Port Epic cycling race. Look for activity from **May 10th until June 9th** (the actual day of the race). QSL via [ON8JJ](#).

-[425DXN # 1774 May 3, 2025] (0509-0613)

ON, BELGIUM. Celebrating the centenary of the International Amateur Radio Union (IARU), the local divisions of the Belgian IARU society (UBA) will activate 28 special event stations from **March 15th until May 15th**: **ON1ØØI, ON1ØØA, ON1ØØR, ON1ØØU, OO1ØØI, OO1ØØA, OO1ØØR, OO1ØØU, OP1ØØI, OP1ØØA, OP1ØØR, OP1ØØU, OQ1ØØI, OQ1ØØA, OQ1ØØR, OQ1ØØU, OR1ØØI, OR1ØØA, OR1ØØR, OR1ØØU, OS1ØØI, OS1ØØA, OS1ØØR, OS1ØØU, OT1ØØI, OT1ØØA, OT1ØØR, and OT1ØØU**. In addition, members of the UBA Board and HF Committee will be active as **OQØIARU** and **ORØIARU**. A series of certificates will be available, see <https://www.uba.be/en/news/uba-iaru-100-event> for the details and the QQRS for bureau cards (TBA soon).

-[425DXN # 1764 February 22, 2025] (0314-0516)

P2, PAPUA NEW GUINEA. Xu, BG5DON is QRV as **P29XZ**. Activity is in his spare time on the 20, 15, 10, and 6 meters FT8 frequencies. QSL direct to [EA5GL](#).

-[ARRL DX Bulletin # 18 May 1, 2025] (0502-0523)

P2, PAPUA NEW GUINEA. Oystein, LAØCW is QRV as **P29CW** while here on work assignment. Activity is in his spare time on the HF bands, as well as various analog and FM Satellites. QSL via LoTW.

-[ARRL DX Bulletin # 17 April 24, 2025] (0425-0516)

PA, NETHERLANDS. Special event station **PC8ØTT** commemorates Rudolf Tappenbeck (PCTT), a Dutch amateur radio pioneer who was killed in a German concentration camp in 1944. QSL via

[PI4LDN](#).

-[DXNL # 2455 April 23, 2025] (0425-0516)

PA, NETHERLANDS. Peter, PD1RP is QRV with special event station **PD8ØFREE** until June 30th to celebrate the 80 years of liberation since World War II. Activity is on 40, 20, 10, and 2 meters using CW, SSB, and digital modes. QSLs sent to all contacts via the bureau. No QSL or request needed.

-[ARRL DX Bulletin # 15 April 10, 2025] (0411-0627)

PJ2, CURACAO. Roberto, IW7DEC plans to be QRV as **PJ2/IW7DEC** from May 11th to 14th. Activity will be on 40 and 20 meters using SSB and FT8. QSL to [IW7DEC](#).

-[ARRL DX Bulletin # 19 May 8, 2025] (0509-0516)

SV, GREECE. Members of the Thessaloniki Amateur Radio Group will be QRV with special event call sign **SX2ØTARG** from May 3rd to 17th to celebrate the club's 20th anniversary. QSL via eQSL.

-[ARRL DX Bulletin # 18 May 1, 2025] (0502-0516)

TR, GABON. Roland, F8EN is QRV as **TR8CR** until mid-June. Activity is on the HF bands using only CW. QSL direct to [F6AJA](#).

-[ARRL DX Bulletin # 15 April 10, 2025] (0411-0613)

UN, KAZAKHSTAN. The following stations commemorate the end of World War II 80 years ago until May 10th: **UP8ØV, UO8ØV, UQ8ØV, UP8ØB, UP8ØD, UP8ØF, UP8ØG, UP8ØI, UP8ØJ, UP8ØL, UP8ØN, UP8ØM, UP8ØP, and UP8ØZ**. An award is available: <https://victory80.grz.kz>.

-[DXNL # 2457 May 7, 2025] (0509-0516)

V5, NAMIBIA. Remo, HB9SHD is QRV as **V51/HB9SHD** until June 15th. Activity is holiday style on 40 to 6 meters using SSB and various digital modes. QSL via LoTW.

-[ARRL DX Bulletin # 18 May 1, 2025] (0502-0620)

VP8, FALKLAND IS. Gerry, G3WIP will be active in his spare time as **VP8DPD** while in Stanley from May 10th to July 12th. QSL via [EA5GL](#) or LoTW.

-[425DXN # 1775 May 10, 2025] (0509-0711)

VR, HONG KONG. Members of the Hong Kong Amateur Radio Transmitting Society are active with special call sign **VR1ØØIARU** until December to celebrate the centenary of the IARU. QSL via the bureau.

-[ARRL DX Bulletin # 18 May 1, 2025] (0502-0523)

YL, LATVIA. Special event station **YL35G** marks the anniversary of re-established Latvian independence from May 4th onwards. QSL via [YL3GBC](#).

-[DXNL # 2456 April 30, 2025] (0502-0523)

YS, EL SALVADOR. Renato, PY8WW will be active as **YS3/PY8WW** from Isla Zacatillo (NA-190), El Salvador on May 8th-13th. He will be QRV on 80-6 meters with two stations at the same time - one station alternating between SSB and CW, and the other one fully dedicated to FT8 (F/H) and FT4. QSL via [ClubLog's OQRS](#).

-[425DXN # 1773 April 26, 2025] (0502-0516)

Z3, NORTH MACEDONIA. Celebrating IARU's centenary, members of the Radioamateur Society of Macedonia (Z37RSM) will be active as **Z31ØØIARU** until May 18th. QSL via LoTW, eQSL, QRZ Logbook.

-[425DXN # 1769 March 29, 2025] (0328-0516)

Z6, KOSOVO. The Italian DXpedition Team's operation in Kosovo will remain active until May 17th. Look for **Z68TT** (SSB, CW, RTTY) and **Z68ZZ** (FT8) on 80-6 meters. See <http://www.i2ysb.com/idx/> for more information, including band plans and OQRS for direct cards - or QSL direct to [I2YSB](#).

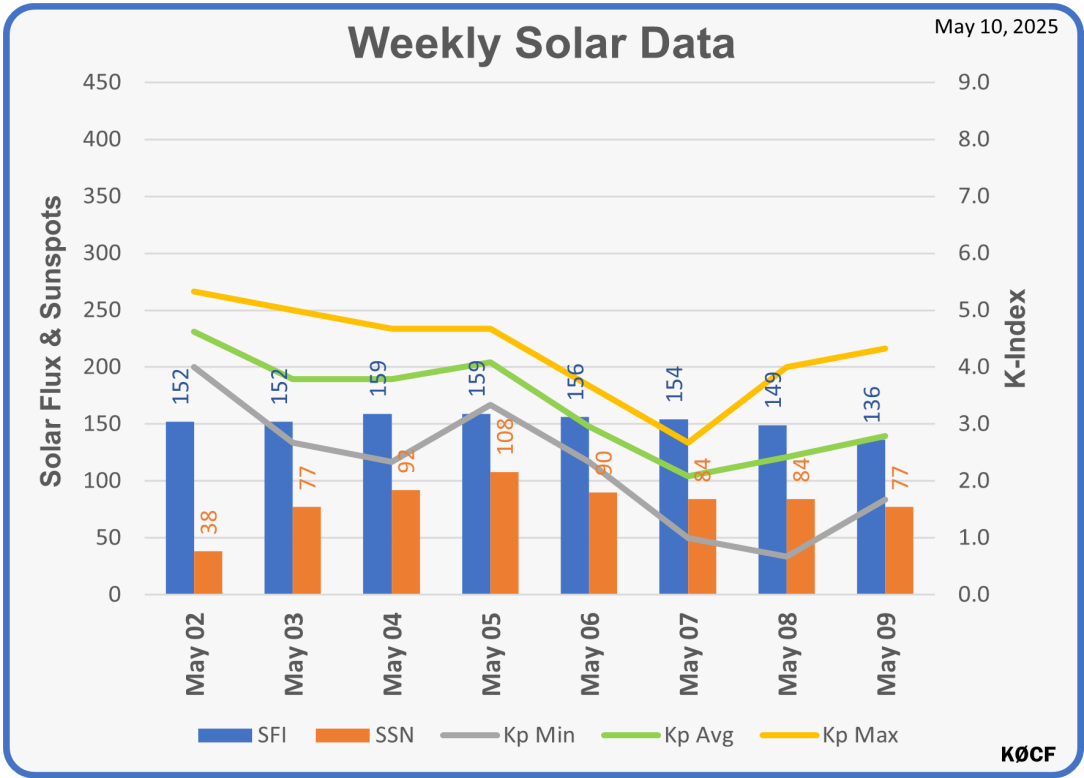
-[425DXN # 1775 May 10, 2025] (0509-0516)

ZP, PARAGUAY. DK4TC, Tom, signs **ZP8/DL4TC** from Santa Rosa Misiones during April and May. QSL via Bureau, eQSL, LoTW.

-[DXNL # 2455 April 23, 2025] (0425-0530)

ZS8, PRINCE EDWARD & MARION IS. Yuris, YL2GM is QRV as **ZS8W** from Marion Island until May 16th while on work assignment. Activity is in his spare time on 160 to 6 meters using CW, SSB, and FT8. See <https://www.lral.lv/zs8w/> for more information. QSL via [ClubLog's OQRS](#), or direct to [YL2GN](#).
-[ARRL DX Bulletin # 17 April 24, 2025] (0425-0516)

Propagation (Updated daily)



The Weekly Solar Data chart plots Solar Flux Index (SFI), Sunspot number (SSN) and Planetary K-Index (Kp) for the past 8 days. With 8 Planetary K-index readings each day, only the minimum, average and maximum K-index values are plotted. **Note:** You may click [here](#) or on the chart above to see the same data for the past month.

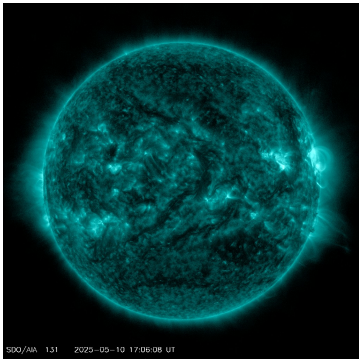
The Daily Solar Flux Index, Sunspot number, Planetary K-index, Solar Flux predictions and Solar Flare data used in this bulletin have been collected by KØCF from from the U.S. Department of Commerce's NOAA Space Weather Prediction Center.

The propagation graphs above are the creations of KØCF and are unique in space weather reporting.

Please Note: The graphs are high resolution .PNG files which you may view in greater detail using your browser's "zoom" feature. Alternatively, right click on the graph and select "Open Image in New Tab" to enlarge it, or "Save Image As..." to save it to your computer for further analysis.

NASA's current view of the Sun at a wave-length of 131 Angstroms. This wavelength shows incredible solar detail.

Click [here](#) or on the image to view as a full screen 48-hour video loop. It is fascinating!



Propagation Summary

For the 8 day period from Friday, May 2nd through yesterday, May 9th.

The average solar flux was 152, unchanged from the previous week, with a weekly high of 159 on Monday, May 5th, followed by a low of 136 on May 9th.

The average sunspot count was 87, down by 13 from last week, peaking at 108 on Monday, May 5th after a weekly low of 38 on May 2nd.

The Planetary K-index weekly average was 4.3 with a maximum of 5.3 on Friday, May 2nd, indicating a minor geomagnetic storm. Yesterday's K-index maximum was 4.3 with generally quiet conditions.

Solar flare activity since May 3rd has been quiet with no major flares.

Propagation Data

Major solar flares, Saturday, May 3rd through 1255 UTC, May 10th.

#	Date	UTC	Mag.
None Reported			

(NOAA's graph of recent flare activity: [GOES-X-Ray-Flux](#))

From the NOAA Space Weather Prediction Center, here are the probabilities of major solar flares and the predicted 10.7 cm Solar Flux for the next 3 days. NOAA updates this information daily.

Date	M-Flares	X-Flares	Solar Flux
May 10	40%	5%	135
May 11	40%	5%	130
May 12	10%	1%	125

Looking farther ahead, here is the NOAA Space Weather Prediction Center forecast of 10.7 cm radio flux and maximum Planetary K-index (Kp) for the next 12 days. This data is updated by NOAA every Monday (last updated on May 5, 2025).

Date	Flux	Kp
May 10	165	4
May 11	165	3
May 12	160	2
May 13	155	2

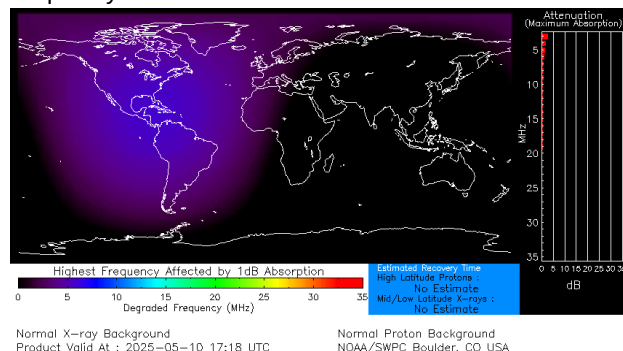
Date	Flux	Kp
May 14	155	2
May 15	155	2
May 16	155	4
May 17	155	4

Date	Flux	Kp
May 18	155	5
May 19	155	3
May 20	155	3
May 21	160	3

Global D Region Absorption

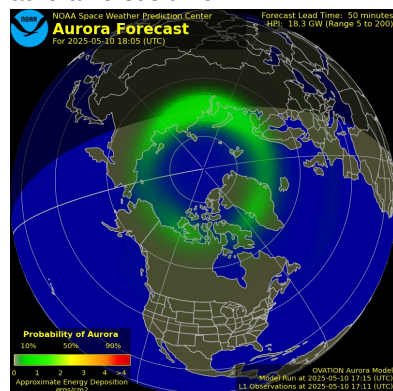
Conditions in the D-region of the ionosphere have a dramatic effect on HF communications. The D-

Region Absorption map combines the effects of solar particles and photons. Yellow to red colors on the map depict increasing signal attenuation, where the bar chart at the right displays attenuation versus frequency. Click the thumbnail below for an animated map of D-Region Absorption:



The Aurora Borealis

The aurora is not only beautiful to see but can have a profound impact on HF and VHF radio propagation. For the HF operator, auroras can result in a complete shut-down of propagation. However, on VHF, auroras present interesting DX possibilities. Beam antennas are very desirable and should be pointed north, towards the aurora. Signals are reflected by “back-scatter” and will be distorted with a rough buzz. SSB is the best voice mode to use, but copy can be difficult. CW will have a rough buzzy sound but be perfectly copyable. Click the thumbnail below for an animated map of aurora versus time:



Highs for Cycle 25

Solar Flux: 336 on August 8, 2024.

Sunspots: 382 on August 10, 2024.

Geomagnetic Storm Watch (G1)

NOAA forecasters are predicting a minor **G1**-class geomagnetic storm on **May 9th** when a high-speed stream of solar wind is expected to exert pressure on Earth's magnetic field. A glancing blow from a CME (it left the sun on May 5th) is also possible, further boosting the odds of a storm.

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Popular Propagation web sites

<https://prop.kc2g.com/> (Excellent Maximum Usable Frequency map)

NOAA <https://www.swpc.noaa.gov/>

<https://www.spaceweather.com/>

<https://www.solarham.com/>

<https://dx.qsl.net/propagation/>

A Propagation Tutorial

The solar X-ray flux tracks solar activity and solar flares. Solar flux, which can vary from as low as 50 to as high as 300, influences the level of ionization in the F2 region of the ionosphere, providing a very good prediction of HF DX conditions. The higher the solar flux, the better conditions will be for the higher HF frequencies and even 6 meters. However, the levels need to be maintained for some days to allow ionization in the F2 layer to build up. A solar flux of 150 results in good HF band conditions, while

levels of 200 and up can provide great conditions.

Large X-ray flares on the sun can increase the ionization of the D layer of the ionosphere (a lower layer) on the sunlit side of the Earth, greatly attenuating or blocking HF radio transmissions for up to a half hour. Solar flares often produce Coronal Mass Ejections (CMEs) which, if Earth directed, can lead to geomagnetic storms. Some large flares are also accompanied by strong radio bursts that may interfere with other radio frequencies and cause problems for satellite communication and radio navigation (GPS).

The Planetary K-index is a measure of the magnitude of geomagnetic storms and is an excellent indicator of disturbances in the Earth's magnetic field. A level of 1 or 2 represents quiet geomagnetic conditions; a reading of 3 or 4 may cause some propagation deterioration; 5 and 6 are minor to moderate geomagnetic storms; and 7 to 9 are strong, severe, and extreme storm conditions. Strong geomagnetic storms can trigger Auroral displays and cause HF radio blackouts. Higher geomagnetic activity also has the adverse effect of lowering maximum usable frequencies, much like lower solar flux does.

For best conditions, the solar flux should be above 150 for a few days with the K index below 2. When these conditions are met, some good DX is likely!

-[Compiled from information on NOAA.gov and other sources]

Contest Calendar

Weekly Contests

Contest	Start UTC		End	Web Site
K1USN Slow Speed Test	Monday	0000Z	0100Z	Rules
ICWC Medium Speed Test	Monday	1300Z	1400Z	Rules
	Monday	1900Z	2000Z	
	Tuesday	0300Z	0400Z	
CWops Test (CWT)	Wednesday	1300Z	1400Z	Rules
	Wednesday	1900Z	2000Z	
	Thursday	0300Z	0400Z	
	Thursday	0700Z	0800Z	
Weekly RTTY Test	Friday	0145Z	0215Z	Rules
NCCC CW Sprint (NS)	Friday	0230Z	0300Z	Rules

Note: Start Days are in UTC, e.g. Monday at 0000 UTC is Sunday at 7:00 PM in the Central Daylight Saving Time zone, or Sunday at 6:00 PM in the Central Standard Time zone.

Full Calendar

Contest	Start		End		Web Site
His Maj. King of Spain Contest, CW	May 17	1200Z	May 18	1200Z	Rules
Arkansas QSO Party	May 17	1400Z	May 18	0200Z	Rules
CQ WW WPX Contest, CW	May 24	0000Z	May 25	2400Z	Rules
Kentucky QSO Party	Jun 7	1300Z	Jun 8	0100Z	Rules

ARRL Inter. Digital Contest	Jun 7	1800Z	Jun 8	2400Z	Rules
ARRL June VHF Contest	Jun 14	1800Z	Jun 16	0300Z	Rules
Stew Perry Topband Challenge	Jun 21	1500Z	Jun 22	1500Z	Rules
West Virginia QSO Party	Jun 21	1600Z	Jun 22	0400Z	Rules
ARRL Kids Day	Jun 21	1800Z	Jun 21	2359Z	Rules
His Maj. King of Spain Contest, SSB	Jun 28	1200Z	Jun 29	1200Z	Rules
ARRL Field Day	Jun 28	1800Z	Jun 29	2100Z	Rules
RAC Canada Day Contest	Jul 1	0000Z	Jul 1	2359Z	Rules
IARU HF World Championship	Jul 12	1200Z	Jul 13	1200Z	Rules
North American QSO Party, RTTY	Jul 19	1800Z	Jul 20	0600Z	Rules
CQ Worldwide VHF Contest	Jul 19	1800Z	Jul 20	2100Z	Rules
North American QSO Party, CW	Aug 2	1800Z	Aug 3	0600Z	Rules
WAE DX Contest, CW	Aug 9	0000Z	Aug 10	2359Z	Rules
Maryland-DC QSO Party	Aug 9	1400Z	Aug 10	0400Z	Rules

-[Contest data courtesy of the [WA7BNM Contest Calendar](#)]